The 9th HU-SNU Joint Symposium on Materials Science and Engineering

Date **November 6, 2020**
Venue Virtual Event
Chair Persons Naoyuki HASHIMOTO, Professor, Graduate School of Engineering, HU
Myoung-Gyu Lee, Professor, Dep. of Materials Science and Engineering, SNU

Time	Program	Speaker
9:30-9:40	**Opening**	**Prof. Naoyuki HASHIMOTO**
9:40-10:00	Small-scale and non-destructive analysis on ductile-to-brittle transition behavior of pure W using nano-indentation and MD simulation	Mr. Yeonju OH (DC) Materials Science and Engineering, SNU
10:00-10:20	Study on nano-structure and high temperature strength of 9Cr-ODS ferritic/martensitic steel	Prof. Hiroshi OKA Materials Science and Engineering, HU
10:20-10:40	Research on bcc high-entropy alloy for fusion reactor application	Ms. Yun ZONG (DC2) Materials Science and Engineering, HU
10:40-10:50	**Coffee Break**	
10:50-11:10	Picometer precision quantitative iDPC-STEM analysis for perovskite transition metal oxides	Mr. Junsik MUN (DC) Materials Science and Engineering, SNU
11:10-11:30	Analysis of B2 + L21 two-phase region in X-Al-Ti (X: Fe, Co, and Ni) alloys using first-principles cluster variation method	Prof. Ryo YAMADA Materials Science and Engineering, HU
11:30-11:50	Growth condition dependency of primary dendrite arm spacing on Al-Cu	Mr. Jaehoon LEE (MC2) Materials Science and Engineering, HU
11:50-13:30	**Lunch**	
13:30-13:50	Development of new cell detachment methods based on a cell-friendly photoresist and cell study using the method	Dr. Jeehun PARK Materials Science and Engineering, SNU
13:50-14:10	Atomic-Scale Analysis of Oxygen Storage Materials Using STEM-EELS and First-principles Calculations	Prof. Yuji KUNISADA Materials Science and Engineering, HU
14:10-14:30	Synthesis of Na-Ca-amidoborane and its Hydrogen Desorption Property	Mr. Itaro ARASHIRO (MC1) Materials Science and Engineering, HU
14:30-14:50	**Coffee Break**	
14:50-15:10	Systematic study of electron-beam assisted plasticity for amorphous silica nanostructures	Prof. In-suk CHOI Materials Science and Engineering, SNU
15:10-15:30	Study on Cu-containing High Entropy Alloys for Nuclear Fusion Application	Ms. Yu LEI (DC3) Materials Science and Engineering, HU
15:30-15:50	Oxidation behaviors of Cu-containing FCC high entropy alloys under steam conditions	Mr. Peng BI (DC2) Materials Science and Engineering, HU
15:50-16:00	**Closing**	**Prof. Myoung-Gyu Lee, MSE, SNU**